



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jim Wells et al. Docket No.: 39750-0002DV1
Serial No.: 09/981,547 Group Art Unit: 1639
Filing Date: October 17, 2001 Examiner: Epperson, Jon D.
For: **METHODS FOR RAPIDLY IDENTIFYING SMALL ORGANIC
MOLECULE LIGANDS FOR BINDING TO BIOLOGICAL
TARGET MOLECULES**

Commissioner of Patents & Trademarks
P.O. Box 1450
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DECLARATION OF GARY SIUZDAK, Ph.D.

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5/18/03
Sir:

I, GARY SIUZDAK, Ph.D. declare that:

1. I am currently the Senior Director at the Center for Mass Spectrometry and Associate Professor of Molecular Biology at The Scripps Research Institute. My field of expertise includes the use of mass spectrometry in biological applications. My degrees include a B.S. in Chemistry and a B. A. in Mathematics from Rhode Island College (1985) and a Ph.D. in Physical Chemistry from Dartmouth College (1990).
2. Among my many publications in the field of mass spectrometry include the book MASS SPECTROMETRY FOR BIOTECHNOLOGY, New York, Academic Press (1996). As I understand it, an Examiner in the Patent and Trademark Office has cited Chapter 6 (titled Specific Applications), pages 119-126, in the examination of a patent application. The claimed invention relates to a screening method where novel ligands are identified by subjecting a mixture of a target protein and a plurality of potential ligands that are each capable of forming a covalent bond with the protein to mass spectrometry analysis, and detecting the most abundant covalently bound protein-ligand conjugate that is formed, and identifying the ligand present in the conjugate.